

D1 Cont
3). In-frame fusion of the hybrid leader gene and the first trefoil domain from HSP was obtained by overlay extension PCR [31]. The product was digested with EcoRI and Avall and isolated as a 360 bp DNA fragment.--

Please replace the paragraph at page 14, line 7 to page 14, line 25 with the following paragraph:

D2
The second trefoil domain of HSP was PCR-cloned from human genomic DNA as described for the first domain by replacing primers 1 and 2 with forward primer 4 (TGCGTCATGGAGGTCTC) (SEQ ID NO:9) and reverse primer 5 (AGCACCATGGCACTTCAAAG) (SEQ ID NO:10) (Fig. 3). Reverse primer 5 introduces a NcoI site as a silent mutation. The PCR product, a 115 bp fragment, was isolated and digested with DdeI and NcoI resulting in a 91 bp fragment. To this fragment were ligated two synthetic duplexes. The first, encoding the amino acid sequence between the two trefoil domains, consisted of the oligonucleotides (GTCCCCTGGTGTTCACCCCCCTCCCAAAGCAAGAGTCGGATCAGTGCATGTCATGGAGGTC) (SEQ ID NO:11) and (TGAGACCTCCATGACGCACTGATCCGACTCTTGCTTTGGGAGGGGGTGGAAACACCAGGG) (SEQ ID NO:12). The second, a 46 bp NcoI - XbaI fragment encoding the C-terminal part of HSP, consisted of the oligonucleotides (CATGGTGCTTCTTCCCGAACTCTGTGGAAGACTGCCATTACTAAGT) (SEQ ID NO:13) and (CTAGACTTAGTAATGGCAGTCTTCCACAGAGTTCGGGAAGAAGCAC) (SEQ ID NO:14). After Avall digestion a 195 bp Avall - XbaI fragment was isolated.--

In The Claims:

~~Please cancel claim 39 without prejudice.~~

Please amend the claims as follows:

27. (Twice Amended) An isolated human spasmolytic polypeptide having an amino acid sequence according to SEQ ID NO:1

D3
Aut E17
Glu Lys Pro Ser Pro Cys Gln Cys Ser Arg Leu Ser Pro His Asn Arg Thr Asn Cys Gly Phe Pro
Gly Ile Thr Ser Asp Gln Cys Phe Asp Asn Gly Cys Cys Phe Asp Ser Ser Val Thr Gly Val Pro Trp
Cys Phe His Pro Leu Pro Lys Gln Glu Ser Asp Gln Cys Val Met Glu Val Ser Asp Arg Arg Asn